

XX Valenzuela D, Yuan O, Hoffman H, Hall J, Rapleyko P;
 PI WPI; 2000-638211/61.
 DR N-PSDB; AAC59829.
 XX
 XX Novel proteins and polypeptides useful for the treatment of e.g.
 PT multiple sclerosis, systemic lupus erythematosus, rheumatoid arthritis,
 PT cancer, Alzheimer's disease, Parkinson's disease, stroke, anemia and
 PT ulcers

PS Claim 92; Page 441-442; 493pp; English.

XX
 XX
 CC This invention relates to 59 human secreted proteins and the nucleotide
 CC sequences encoding them. Sequences AAC59788-C59846 and AAB34687-B34745
 CC represent the proteins and their encoding nucleotide sequences, and
 CC sequences AAB34746-B34771 represent fragments of the proteins. Probes
 CC for the DNA sequences are represented by sequences AAC59847-C59956. The
 CC proteins exhibit neuroprotective, dermatological, immunosuppressive,
 CC antiinflammatory, antianaemic, nootropic, antiparkinsonian,
 CC cerebroprotective, haemostatic, vulnerary, cytostatic, antiproliferative,
 CC antibacterial, virucide, and fungicide activity. The proteins and
 CC nucleotide sequences are useful as nutritional sources or supplements
 CC and in research. The proteins are useful for treating immune deficiency
 CC and disorders, which may be genetic or resulting from infections,
 CC autoimmune disorders such as multiple sclerosis, systemic lupus
 CC erythematosus, rheumatoid arthritis, and for treating myeloid or lymphoid
 CC cell deficiencies such as anaemias by regulating haematopoiesis. The
 CC proteins are also useful in compositions for bone, cartilage, tendon,
 CC ligament and/or nerve tissue growth or regeneration, for wound healing,
 CC tissue repair and replacement and in the treatment of central and
 CC ulcers. Other uses include in the treatment of peripheral neuropathy and
 CC peripheral nervous system and neuropathies such as Alzheimer's and
 CC Parkinson's diseases and Shy-Drager syndrome, and mechanical and
 CC traumatic disorders, such as spinal cord disorders, head trauma and
 CC stroke. The proteins may also be used as a contraceptive, and for
 CC treating coagulation disorders, such as haemophilias. The protein and
 CC nucleotide sequences with cadherin activity are useful for treating
 CC cancer. Other uses for the protein include for inhibiting the growth,
 CC infection or function of, or killing, infectious agents such as bacteria,
 CC virus, fungi and other parasites, for effecting bodily characteristics
 CC such as height, weight, hair colour, effecting biorythms or cardiac
 CC cycles or rhythms, effecting metabolism, catabolism, anabolism,
 CC processing, utilization, storage or elimination of dietary fat, lipid,
 CC protein, carbohydrate, vitamins, minerals, cofactors, effecting
 CC behavioural characteristics, providing analgesic effects and for treating
 CC hyperproliferative disorders such as psoriasis.

CC Sequence 119 AA:

Query Match 100.0%; Score 644; DB 21; Length 119;
 Best local Similarity 100.0%; Pred. No. 1.7e-66;
 Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKVLISLLLLPLMLMSVSSSLNPGVANGHRDQASRRWLOEGGECCKDWFLRAP 60
 DB 1 MKVLISLLLLPLMLMSVSSSLNPGVANGHRDQASRRWLOEGGECCKDWFLRAP 60
 QY 61 RRRFMYVSGLPKQPCDHFKNVKKTRRORHHRKPKKHSRACQFLKCOLNSFALPL 119
 DB 61 RRRFMYVSGLPKQPCDHFKNVKKTRRORHHRKPKKHSRACQFLKCOLNSFALPL 119

RESULT 2
 AA182453

ID AAY82453 standard; Protein: 119 AA.

XX AAY82453;

XX 30-JUN-2000 (first entry)

XX Human TGC-440 secretory protein SEQ ID NO:1.

KW TGC-440; secretory protein; immunological disease; infectious disease;
 KW pulmonary function disorder; hepatic function disorder; nephrotropic;
 KW gastrointestinal function disorder; antiinflammatory; immunomodulatory;
 KW virucide; hepatotropic; antistimatic; antibacterial; vaccine;
 KW hepatitis; nephritis; influenza; asthma; pulmonary hypertension;
 KW pneumonia; Helicobacter pylori infection.

OS Homo sapiens.

PN WO200014226-A1.

PD 16-MAR-2000.

PF 02-SEP-1999; 99WO-JP04765.

PR 03-SEP-1998; 98JP-0250108.

PA (TAKE) TAKEDA CHEM IND LTD.

PI Itoh Y, Ogi K, Tanaka H, Kitada C;

DR WPI; 2000-256978/72.

DR N-PSDB; AAA08343, AAA08344.

PT Secretory protein TGC440, antibodies to it and compounds promoting or
 PT inhibiting its activity for diagnosis and treatment of diseases of the
 PT immune system, lung, kidney, liver and intestinal system

PS Claim 1; Fig 1; 86pp; Japanese.

XX
 XX
 CC The present sequence represents a human secretory protein designated
 CC TGC-440. TGC-440 has antiinflammatory, nephrotropic, immunomodulatory,
 CC virucide, hepatotropic, antistimatic and antibacterial activities,
 CC and can be used in vaccines. TGC-440 and the polynucleotide sequence
 CC encoding it can be used to treat, prevent and diagnose immunological,
 CC lung, liver, kidney or gastrointestinal disorders and infectious
 CC diseases, such as hepatitis, nephritis, influenza, asthma, pneumonia,
 CC pulmonary hypertension, and Helicobacter pylori infection. An antibody
 CC immunospecific for TGC-440 is also useful in the above treatment and
 CC diagnosis, and also for quantifying the amount of TGC-440 in a liquid
 CC specimen.

CC Sequence 119 AA:

Query Match 100.0%; Score 644; DB 21; Length 119;
 Best local Similarity 100.0%; Pred. No. 1.7e-66;
 Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKVLISLLLLPLMLMSVSSSLNPGVANGHRDQASRRWLOEGGECCKDWFLRAP 60
 DB 1 MKVLISLLLLPLMLMSVSSSLNPGVANGHRDQASRRWLOEGGECCKDWFLRAP 60
 QY 61 RRRFMYVSGLPKQPCDHFKNVKKTRRORHHRKPKKHSRACQFLKCOLNSFALPL 119
 DB 61 RRRFMYVSGLPKQPCDHFKNVKKTRRORHHRKPKKHSRACQFLKCOLNSFALPL 119

RESULT 3
 AA187317

ID AAY87317 standard; Protein: 119 AA.

XX AAY87317;

XX 11-MAY-2000 (first entry)

XX Human signal peptide containing protein HSP-94 SEQ ID NO:94.

KW Human; signal peptide-containing protein; HSP; diagnosis; cancer;
 KW inflammation; cardiovascular disease; anticancer; anti-inflammatory;
 KW antimicrobial; nootropic; neuroprotective; cardiovascular; hepatotropic;
 KW antistimatic; gene therapy; cell proliferation; neurological disorder;
 KW reproductive disorder; developmental disorder; arteriosclerosis;
 KW cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;

us-10-015-967-2.rag

ID	AA66668
XX	AA66668 standard; protein; 119 AA.
AC	AA66668;
DT	05-APR-2000 (first entry)
DE	Membrane-bound protein PRO842.
KW	Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand pharmaceutical; receptor immunoadhesin; gene mapping.
OS	Homo sapiens.
PW	WC996308-A2.
PD	09-DEC-1999.
PF	02-JUN-1999; 99WO-US12252.
PR	02-JUN-1998; 98US-0087607. 02-JUN-1998; 98US-0087609. 02-JUN-1998; 98US-0087759. 03-JUN-1998; 98US-0087827. 04-JUN-1998; 98US-0088021. 04-JUN-1998; 98US-0088025. 04-JUN-1998; 98US-0088028. 04-JUN-1998; 98US-0088029. 04-JUN-1998; 98US-0088030. 04-JUN-1998; 98US-0088033. 04-JUN-1998; 98US-0088326.

PR	05-JUN-1998;	98US-0088202.
PR	05-JUN-1998;	98US-0088212.
PR	05-JUN-1998;	98US-0088217.
PR	09-JUN-1998;	98US-0088655.
PR	10-JUN-1998;	98US-0088722.
PR	10-JUN-1998;	98US-0088730.
PR	10-JUN-1998;	98US-0088734.
PR	10-JUN-1998;	98US-0088738.
PR	10-JUN-1998;	98US-0088740.
PR	10-JUN-1998;	98US-0088741.
PR	10-JUN-1998;	98US-0088742.
PR	10-JUN-1998;	98US-0088810.
PR	10-JUN-1998;	98US-0088811.
PR	10-JUN-1998;	98US-0088824.
PR	10-JUN-1998;	98US-0088825.
PR	10-JUN-1998;	98US-0088826.
PR	11-JUN-1998;	98US-0088858.
PR	11-JUN-1998;	98US-0088861.
PR	11-JUN-1998;	98US-0088863.
PR	11-JUN-1998;	98US-0088876.
PR	12-JUN-1998;	98US-0089090.
PR	12-JUN-1998;	98US-0089105.
PR	16-JUN-1998;	98US-0089440.
PR	16-JUN-1998;	98US-0089512.

PR 17-JUN-1998; 9805-0089532.
PR 17-JUN-1998; 9805-0089538.
PR 17-JUN-1998; 9805-0089598.
PR 17-JUN-1998; 9805-0089599.
PR 17-JUN-1998; 9805-0089600.

PR 18-JUN-1998; 98US-0089981;
PR 18-JUN-1998; 98US-0089997;
PR 18-JUN-1998; 98US-0089907;
PR 18-JUN-1998; 98US-0089908;
PR 19-JUN-1998; 98US-0089947;
PR 19-JUN-1998; 98US-0089948;
PR 19-JUN-1998; 98US-0089952;
PR 22-JUN-1998; 98US-0090246;

PR	23-JUN-1998;	98US-0090349.
FA	22-JUN-1998;	98US-0090234.

CC Chromosomal and gene mapping, and in the generation of anti-sense RNA
CC and DNA. They may also be used to produce transgenic animals which are
CC used to develop and screen therapeutically useful reagents. The PRO
CC nucleotide and protein sequence can be used for tissue typing and in
CC treating cancer. Anti-PRO antibodies can be used in diagnostic assays.
CC AAF44270 to AAF44470 represent PCR primers and hybridisation probes used
CC in the isolation of human PRO sequences. AAF44087 to AAF44269 and
CC AAF65134 to AAF65300 represent human PRO polynucleotide and protein
CC sequences given in the exemplification of the present invention.

Sequence 119 AA:

Query Match 100.0%; Score 644; DB 22; Length 119;
Best Local Similarity 100.0%; Pred. No. 1.7e-66;
Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MKVLSSLLPLMLMSVSSSLNPGVARGHRRGASRRWLEGGQCECKDMLRAP 60
DB 1 MKVLSSLLPLMLMSVSSSLNPGVARGHRRGASRRWLEGGQCECKDMLRAP 60
OY 61 RRRFMTVSGLPKRCPCDHFKNVKKTRHQRHRRKPKHSRACQFLKCOLRSFALPL 119
DB 61 RRRFMTVSGLPKRCPCDHFKNVKKTRHQRHRRKPKHSRACQFLKCOLRSFALPL 119

RESULT 9
ID AAY82454 standard; Protein; 97 AA.
XX AAY82454;

30-JUN-2000 (first entry)

Mature human TGC-440 secretory protein SEQ ID NO:7.

TGC-440: secretory protein; immunological disease; infectious disease;
pulmonary function disorder; hepatic function disorder; nephrotropic;
gastrointestinal function disorder; antiinflammatory; immunomodulatory;
viral; hepatitis; hepatotropic; antiasthmatic; antibacterial; vaccine;
hepatitis; nephritis; influenza; asthma; pulmonary hypertension;
pneumonia; Helicobacter pylori infection.

Homo sapiens.
WO200014226-A1.

16-MAR-2000.

02-SEP-1999; 99WO-JP04765.

03-SEP-1998; 98JP-0250108.

(TAKE) TAKEDA CHEM IND LTD.

Itoh Y, Ogi K, Tanaka H, Kitada C;
WPI: 2000-256978/22.
N-PSDB; AAA08345.

Secretory protein TGC440, antibodies to it and compounds promoting or
inhibiting its activity for diagnosis and treatment of diseases of the
immune system, lung, kidney, liver and intestinal system
Disclosure; Page 80; 86pp; Japanese.

The present sequence represents the mature human secretory protein
TGC-440. TGC-440 has antiinflammatory, nephrotropic, immunomodulatory,
viral, hepatotropic, antiasthmatic and antibacterial activities,
and can be used in vaccines. TGC-440 and the polynucleotide sequence
encoding it can be used to treat, prevent and diagnose immunological,
lung, liver, kidney or gastrointestinal disorders and infectious
diseases, such as hepatitis, nephritis, influenza, asthma, pneumonia,
pulmonary hypertension, and Helicobacter pylori infection. An antibody

CC Immunospecific for TGC-440 is also useful in the above treatment and
CC diagnosis, and also for quantifying the amount of TGC-440 in a liquid
CC specimen.

Sequence 97 AA:

Query Match 85.1%; Score 548; DB 21; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.6e-55;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 23 SLNPGVARGHRRGASRRWLEGGQCECKDMLRAPRRKMTVSGLPKRCPCDHFNG 82
DB 1 SLNPGVARGHRRGASRRWLEGGQCECKDMLRAPRRKMTVSGLPKRCPCDHFNG 60
OY 83 NVKTRHQRHRRKPKHSRACQFLKCOLRSFALPL 119
DB 61 NVKTRHQRHRRKPKHSRACQFLKCOLRSFALPL 97

RESULT 10
ID AAW83953 standard; Protein; 93 AA.
XX AAW83953;

28-JAN-1999 (first entry)

Polypeptide encoded by gene 7 clone HUPD164.

Secreted protein; gene therapy; protein therapy; diagnosis; treatment;
central nervous system; CNS; immune system; cancer; trauma; liver;
reproductive disorder; congenital malformation; degenerative disease;
inflammatory disease; neoplasia; metabolic disorder; testis; placenta;
brain; T cell; spleen; lung; heart; thymoma; sarcoma; endocrine system;
endocrinopathy; endocrine polyglandular syndrome; endocrinoma; sepsis;
endocrine ophthalmopathy; osteoclastoma; bacterial infection; bone.

Homo sapiens.
WO9845712-A2.

15-OCT-1998.

07-APR-1998; 98WO-US06801.

30-MAY-1997; 97US-0048184.

08-APR-1997; 97US-0042726.

08-APR-1997; 97US-0042727.

08-APR-1997; 97US-0042728.

08-APR-1997; 97US-0042754.

08-APR-1997; 97US-0042825.

30-MAY-1997; 97US-0048068.

30-MAY-1997; 97US-0048070.

(HUMA-) HUMAN GENOME SCI INC.

Feng P, NI J, Rosen CA, Ruben SM, Yu G;

WPI: 1998-594496/50.

New isolated human genes and secreted polypeptide(s) they encode -
useful for the diagnosis and treatment of e.g. cancers, CNS
disorders, immune system disorders, inflammatory disease and
bacterial infections

Disclosure; Page 10; 142pp; English. SEQ ID NO: 53 (P126)

This represents a polypeptide encoded by the nucleic acid molecule
designated Gene 7 from the human cDNA clone HUPD164 (deposited
as clone ATCC 97955 and ATCC 209074) which encodes a human secreted
protein of the invention. The gene is expressed primarily in liver,
spleen, bone marrow and to a lesser extent in amygdala and is useful as
reagents for differential identification of tissues in a biological

XX Immune system, lung, kidney, liver and intestinal system

CC and can be used in vaccines. TGC-440 and the polynucleotide sequence CC